

**Summary of ICCR Source Work Group Meeting
Combustion Turbines Work Group Meeting
GRI's Offices, Chicago, Illinois
August 26 and 27, 1998**

The purpose of the meeting was to finalize items to be submitted to the Coordinating Committee at the September meeting. A list of attendees is included as Attachment I.

Decisions/Discussion

- The CTWG discussed and made changes to the cost effectiveness white paper entitled "Cost-Effectiveness of Oxidation Catalyst Control of Hazardous Air Pollutant (HAP) Emissions from Stationary Combustion Turbines" and decided to submit it to the Coordinating Committee at the September meeting as a closure item. Marc Phillips will make the presentation.
- The CTWG discussed changes to the Gas Combustion White Paper and decided to edit it and submit it to the CC as a work in progress item, entitled "Considerations for Gas-Fired Combustion Turbines MACT".
- WG members reviewed the summary of CTWG Pollution Prevention Considerations prepared by John Klein and decided to submit it to the CC as a work in progress item.
- The CTWG concurred on the list of submittal items to be posted on the ICCR website by August 31. This list is attached as Attachment II.
- WG members agreed on who should be seated at the CC table during the CTWG presentations in addition to the WG members who are members of the CC. Sims Roy, A.J. Cherian, and Marc Phillips will join for the closure presentation segment on Wednesday and John Klein and Sims Roy will join for the works in progress segment on Thursday.
- The WG decided not to meet on the day before the September CC meeting. WG members who will be making presentations will get together on Tuesday afternoon or evening to review the presentations.

Action Items

- Marc Phillips will make the cost effectiveness presentation at the CC meeting in September. Marc will prepare his presentation slides; Jim McCarthy will forward the cost effectiveness presentation he gave to the WG to Marc.
- The Cost Effectiveness Task Group will make a final QA/QC review of the changes the WG made to the White Paper prior to posting it to the ICCR website.
- Marc Phillips will make changes to the Regulatory and Policy Precedents section of the Considerations for Gas-Fired Combustion Turbines MACT paper. Diane McConkey will review these changes. Greg Adams will make all other discussed changes to the paper and e-mail it to Alpha-Gamma prior to September 4th for posting to the ICCR website.
- Alpha-Gamma will follow up with Sam Allen to verify that the information he supplied can be included in the items to be submitted to the CC at the September meeting. Alpha-Gamma will e-mail the retrofit information that Sam Allen submitted electronically since the Long Beach meeting if he agrees with this information being distributed.
- Alpha-Gamma will review the information that Sam Allen provided on August 26 and recommend whether or not it should be included in the Model Turbines and Control Alternatives Cost Analyses for Existing and New Sources document.
- John Klein and Marvin Schorr will give the presentation on CTWG works in progress and data/information items at the CC meeting. Emphasis will be given to the Considerations for Gas-Fired Combustion Turbines MACT paper and the CTWG Pollution Prevention Considerations paper. John and Marvin will prepare the presentation slides and Alpha-Gamma will prepare a slide indicating the items being submitted that were not given emphasis during the presentation.
- John Klein will make changes to the CTWG Pollution Prevention Considerations paper and distribute it to the WG and to Alpha-Gamma to be posted to the ICCR website by September 4.
- Alpha-Gamma will add the memo prepared by Derek Furstenwerth reflecting the WG's review of the high formaldehyde data point (SCE Coolwater test) to the Read Me file of the emissions database.

Attachment I
Stationary Combustion Turbine Work Group Meeting
August 26 & 27, 1998
List of Attendees

Sims Roy	EPA OAQPS Emissions Standards Division
Greg Adams	Los Angeles County Sanitation District
Sam Allen	Dow Chemical Company
Gordon Brown	Exxon Chemical Company
Derek Furstenwerth	Houston Lighting and Power Company
Ted Guth	Permitting Regulatory Affairs Consultant
Peter Hill	US Naval Facilities Engineering Svc. Center
John Klein	ARCO Alaska, Inc.
Diane McConkey	EPA OGC
Dan Herndon	Alpha-Gamma Technologies
Keri Leach	Alpha-Gamma Technologies
Chuck Solt	Catalytica
Mervyn Soares	Texaco
Marc Phillips	Enron
A.J. Cherian	PG&E Gas Transmission - Northwest
Marvin Schorr	GE Industrial and Power Systems
Jim McCarthy	Gas Research Institute
Stan Coerr	Coerr Environmental
Linda Coerr	Coerr Environmental
Sam Clowney	Tenneco Energy

Attachment II
Combustion Turbine Work Group
Items to be submitted to the Coordinating Committee at the
September meeting

Closure Items

- White Paper: "Cost-Effectiveness of Oxidation Catalyst Control of Hazardous Air Pollutant (HAP) Emissions From Stationary Combustion Turbines"
 - An assessment of the CTWG with regard to the potential cost-effectiveness of oxidation catalysts used to control hazardous air pollutant (HAP) emissions from combustion turbines

Works In Progress

- Considerations for Gas-Fired Combustion Turbines MACT
 - Items for EPA to consider concerning MACT for gas-fired combustion turbines
- Model Turbines and Control Alternatives Cost Analyses for Existing and New Sources (Not available electronically)
 - Includes model turbine development considerations and control cost information
- CTWG Pollution Prevention Considerations
 - Conclusions reached by the CTWG concerning the concepts developed by the Pollution Prevention Subgroup
- Subcategorization Report
 - Summary of subcategorization discussions and conclusions within the CTWG
- HAPs vs. Criteria Pollutants Report
 - Summary of CTWG discussions on HAPs vs. Criteria pollutants tradeoffs
- Preliminary Results from Natural Gas-Fired Combustion Turbine Testing
 - Summary of a test conducted on a natural gas-fired turbine equipped with a CO catalyst as part of a program sponsored by API/GRI/SoCal

Data/Information

- Refined Inventory Database
 - Includes version of database that has been made more usable for CTWG analyses

- Emissions Database
 - Includes latest version of database with all complete source test reports that have passed CTWG QA/QC procedures
- HAP Technology Workshop Documents (Not available electronically)
 - Documents from the CTWG's HAP Technology Workshop held on July 25, 1997 in Long Beach, California